



PTO/SB/08a (07-05)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/690,073
				Filing Date	4/3/2006
				First Named Inventor	Shimura
				Art Unit	1755
				Examiner Name	Michael A. Marcheschi
Sheet	1	of	2	Attorney Docket Number	4230-101-RCE

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MM	AA	US- 4,487,630 - - A	12-11-1984	Crook, Paul, et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM- DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MM	AB	JP - -2002-256255-- A	09-11-2002	Sakai, Takanobu, et al.		✓

Examiner Signature	/Michael Marcheschi/ (01/03/2007)	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	10/690,073	
				Filing Date	4/3/2006	
				First Named Inventor	Shimura	
				Art Unit	1755	
Examiner Name	Michael A. Marcheschi					
Sheet	2	of	2	Attorney Docket Number	4230-101-RCE	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MM	AC	Table 4.1-52 Chemical Composition of Stainless Steel (GB/T 1220-1992), Mechanical Engineer Hand Book, August 2002, Page(s) 231-232	✓
MM	AD	Table 1-50 Density of Solid Material [g/cm ³] and Table 1-18, Metal Machining Process Personal Handbook, December 1991, Page(s) 12 and 34	✓

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Application Number	10/690,073
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First Named Inventor	Shimura
Art Unit	1755
Examiner Name	MARCHESCHI, Michael A.
Attorney Docket Number	4230-101-RCE

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MM	AB	JP - -10-102105- A	04-21-1998	Hirai, Masazumi, et al.		X
MM	AC	JP - -2002-222628- A	08-09-2002	Kanda, Shinji		X
MM	AD	JP - -55-148701- A	11-19-1980	Kato, Tetsuo, et al.		X
MM	AE	JP - -05-025513- A	02-02-1993	Kobayashi, Kunpei, et al.		X
MM	AF	JP - -08-060209- A	03-05-1998	Nakabayashi, Okie, et al.		X

**Examiner
Signature**

/Michael Marcheschi/ (01/03/2007)

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MM	AG	JP - 09-256005- A	09-30-1997	Suzuki, Kiyoshi		X

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